

## ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

### METHOD AND SYSTEM FOR CONDUCTING ELECTRONIC AUCTIONS

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on February 19, 1999, (Serial No. 09/252,790); and

WHEREAS, FreeMarkets OnLine, Inc., a corporation of Delaware, whose post office address is One Oliver Plaza, 210 Sixth Avenue, Pittsburgh, Pennsylvania 15222 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

County of _____	_____ <u>Marc Alaia</u> Full Name of Sole or First Assignor
State of _____	SS. <u>113 Grandview Avenue, Glenshaw, PA 15116</u> Address
Subscribed and sworn to before me this ____ day of _____, 19____.	_____ First Assignor's Signature
_____ Notary Public	_____ Date
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

County of Allegheny  
State of Pennsylvania

Subscribed and sworn to before me  
this 30 day of March, 1999

Tina J. Fallert Notary Public

Notarial Seal  
Tina L. Fallert, Notary Public  
Pittsburgh, Allegheny County  
My Commission Expires June 14, 1999  
Member, Pennsylvania Association of Notaries

David J. Becker  
Full Name of Second Assignor

SS. 22 Sewickley Hills Drive, Sewickley, Pennsylvania 15143  
Address

[Signature]  
Second Assignor's Signature

3.30.99  
Date

County of Allegheny  
State of Pennsylvania

Subscribed and sworn to before me  
this 1 day of April, 1999

Tina J. Fallert Notary Public

Notarial Seal  
Tina L. Fallert, Notary Public  
Pittsburgh, Allegheny County  
My Commission Expires June 14, 1999  
Member, Pennsylvania Association of Notaries

Anthony F. Bernard  
Full Name of Third Assignor

SS. 2518 Lindenwood Drive, Wexford, Pennsylvania 15090  
Address

[Signature]  
Third Assignor's Signature

4/1/99  
Date

County of Allegheny  
State of Pennsylvania

Subscribed and sworn to before me  
this 30 day of March, 1999

Tina J. Fallert Notary Public

Notarial Seal  
Tina L. Fallert, Notary Public  
Pittsburgh, Allegheny County  
My Commission Expires June 14, 1999  
Member, Pennsylvania Association of Notaries

Daniel C. Heckmann  
Full Name of Fourth Assignor

SS. 4889 East Willock Road, Pittsburgh, Pennsylvania 15227  
Address

[Signature]  
Fourth Assignor's Signature

3/30/1999  
Date

County of Allegheny  
State of Pennsylvania

Subscribed and sworn to before me  
this 26 day of March, 1999

Tina J. Fallert Notary Public

Notarial Seal  
Tina L. Fallert, Notary Public  
Pittsburgh, Allegheny County  
My Commission Expires June 14, 1999  
Member, Pennsylvania Association of Notaries

Sam E. Kinney, Jr.  
Full Name of Fifth Assignor

SS. 314 Maple Lane, Sewickley, Pennsylvania 15143  
Address

[Signature]  
Fifth Assignor's Signature

3/26/99  
Date

Names of additional inventors attached [X] Yes [ ] No

County of <u>Allegheny</u> State of <u>Pennsylvania</u>	_____ <b>Glen T. Meakem</b> Full Name of Sixth Assignor
SS. <u>703 Cochran Street, Sewickley, Pennsylvania 15143</u> Address	
Subscribed and sworn to before me this <u>30</u> day of <u>March</u> , 1999 <u>Tina L. Fallert</u> Notary Public	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"><div style="text-align: center;">Notarial Seal Tina L. Fallert, Notary Public Pittsburgh, Allegheny County My Commission Expires June 14, 1999 Member, Pennsylvania Association of Notaries</div></div> <div style="margin-top: 10px;">_____ Sixth Assignor's Signature  _____ 3/30/99 Date</div>

County of <u>Allegheny</u> State of <u>Pennsylvania</u>	_____ <b>Vincent F. Rago</b> Full Name of Seventh Assignor
SS. <u>15 Roxbury Road, Pittsburgh, Pennsylvania 15221</u> Address	
Subscribed and sworn to before me this <u>30</u> day of <u>March</u> , 1999 <u>Tina L. Fallert</u> Notary Public	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"><div style="text-align: center;">Notarial Seal Tina L. Fallert, Notary Public Pittsburgh, Allegheny County My Commission Expires June 14, 1999 Member, Pennsylvania Association of Notaries</div></div> <div style="margin-top: 10px;">_____ Seventh Assignor's Signature  _____ 3/30/99 Date</div>

County of _____ State of _____	_____ <b>Jason Reneau</b> Full Name of Eighth Assignor
SS. <u>403 Marlborough Street, Boston, Massachusetts 02115</u> Address	
Subscribed and sworn to before me this ____ day of _____, 19____ _____ Notary Public	_____ Eighth Assignor's Signature  _____ Date

County of <u>Allegheny</u> State of <u>Pennsylvania</u>	_____ <b>Frederick W. Roberts</b> Full Name of Ninth Assignor
SS. <u>5 Grandview Avenue, Apt. 803, Pittsburgh, PA 15221</u> Address	
Subscribed and sworn to before me this <u>30</u> day of <u>March</u> , 1999 <u>Tina L. Fallert</u> Notary Public	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"><div style="text-align: center;">Notarial Seal Tina L. Fallert, Notary Public Pittsburgh, Allegheny County My Commission Expires June 14, 1999 Member, Pennsylvania Association of Notaries</div></div> <div style="margin-top: 10px;">_____ Ninth Assignor's Signature  _____ 3/30/99 Date</div>

Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
--

County of Allegheny  
State of Pennsylvania

William D. Rupp  
Full Name of Tenth Assignor

SS. 2151 Cayuga Drive, Pittsburgh, Pennsylvania 15239  
Address

Subscribed and sworn to before me  
this 1 day of April, 1999

Notarial Seal  
Tina L. Fallert, Notary Public  
Pittsburgh, Allegheny County  
My Commission Expires June 14, 1999  
Member, Pennsylvania Association of Notaries

William D. Rupp  
Tenth Assignor's Signature

4/1/99  
Date

County of Allegheny  
State of Pennsylvania

Robert G. Stevens  
Full Name of Eleventh Assignor

SS. 5518 Ellsworth Avenue, Apt. 1, Pittsburgh, PA 15232  
Address

Subscribed and sworn to before me  
this 1 day of April, 1999

Notarial Seal  
Tina L. Fallert, Notary Public  
Pittsburgh, Allegheny County  
My Commission Expires June 14, 1999  
Member, Pennsylvania Association of Notaries

Robert G. Stevens  
Eleventh Assignor's Signature

4/1/99  
Date

Names of additional inventors attached [ ] Yes [X] No

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for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on February 19, 1999, (Serial No. 09/252,790); and

WHEREAS, FreeMarkets OnLine, Inc., a corporation of Delaware, whose post office address is One Oliver Plaza, 210 Sixth Avenue, Pittsburgh, Pennsylvania 15222 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

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AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

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County of <u>Allegheny</u>	<u>Marc Alaia</u> Full Name of Sole or First Assignor
State of <u>Pennsylvania</u>	SS. <u>113 Grandview Avenue, Glenshaw, PA 15116</u> Address
Subscribed and sworn to before me this <u>12</u> day of <u>April</u> , 1999	<u>[Signature]</u> First Assignor's Signature
<u>[Signature]</u> Notary Public	<u>April 6, 1999</u> Date
Notarial Seal Tina L. Fallert, Notary Public Pittsburgh, Allegheny County My Commission Expires June 14, 1999 Member, Pennsylvania Association of Notaries	
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p>	<p style="text-align: center;">_____ David J. Becker Full Name of Second Assignor</p> <p>SS.    <u>22 Sewickley Hills Drive, Sewickley, Pennsylvania 15143</u> Address</p> <p style="text-align: center;">_____ Second Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p>	<p style="text-align: center;">_____ Anthony F. Bernard Full Name of Third Assignor</p> <p>SS.    <u>2518 Lindenwood Drive, Wexford, Pennsylvania 15090</u> Address</p> <p style="text-align: center;">_____ Third Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p>	<p style="text-align: center;">_____ Daniel C. Heckmann Full Name of Fourth Assignor</p> <p>SS.    <u>4889 East Willock Road, Pittsburgh, Pennsylvania 15227</u> Address</p> <p style="text-align: center;">_____ Fourth Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p>	<p style="text-align: center;">_____ Sam E. Kinney, Jr. Full Name of Fifth Assignor</p> <p>SS.    <u>314 Maple Lane, Sewickley, Pennsylvania 15143</u> Address</p> <p style="text-align: center;">_____ Fifth Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
<p>Names of additional inventors attached   <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p>	

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<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p>	<p style="text-align: center;"><u>Robert G. Stevens</u> Full Name of Eleventh Assignor</p> <p>SS. <u>5518 Ellsworth Avenue, Apt. 1, Pittsburgh, PA 15232</u> Address</p> <p style="text-align: center;">_____ Eleventh Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
<p>Names of additional inventors attached   <input type="checkbox"/> Yes   <input checked="" type="checkbox"/> No</p>	

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<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p>	<p style="text-align: center;">_____ Jason Reneau Full Name of Eighth Assignor</p> <p>SS. <u>403 Marlborough Street, Boston, Massachusetts 02115</u> Address</p> <p style="text-align: center;">_____ Eighth Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p>	<p style="text-align: center;">_____ Frederick W. Roberts Full Name of Ninth Assignor</p> <p>SS. <u>5 Grandview Avenue, Apt. 803, Pittsburgh, PA 15221</u> Address</p> <p style="text-align: center;">_____ Ninth Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
<p>Names of additional inventors attached <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p>	



**ASSIGNMENT**

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**METHOD AND SYSTEM FOR CONDUCTING ELECTRONIC AUCTIONS**

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on February 19, 1999, (Serial No. 09/252,790); and

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NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

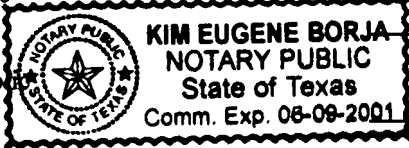
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County of _____	_____ <u>Marc Alaia</u>
State of _____	Full Name of Sole or First Assignor
	SS. <u>113 Grandview Avenue, Glenshaw, PA 15116</u>
	Address
Subscribed and sworn to before me this ____ day of _____, 19__.	_____
_____ Notary Public	First Assignor's Signature
	_____
	Date
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p>	<p style="text-align: center;">_____ David J. Becker Full Name of Second Assignor</p> <p>SS. <u>22 Sewickley Hills Drive, Sewickley, Pennsylvania 15143</u> Address</p> <p style="text-align: center;">_____ Second Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
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<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p>	<p style="text-align: center;">_____ Daniel C. Heckmann Full Name of Fourth Assignor</p> <p>SS. <u>4889 East Willock Road, Pittsburgh, Pennsylvania 15227</u> Address</p> <p style="text-align: center;">_____ Fourth Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
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<p>County of <u>HARRIS</u></p> <p>State of <u>TEXAS</u></p> <p>Subscribed and sworn to before me this <u>19</u> day of <u>APRIL</u>, 19<u>99</u>.</p> <p><u>[Signature]</u> Notary Public</p>	<p style="text-align: center;">_____ Jason Reneau Full Name of Eighth Assignor</p> <p>SS.    <u>403 Marlborough Street, Boston, Massachusetts 02115</u> Address</p> <div style="display: flex; align-items: center;"><div style="border: 1px solid black; padding: 5px; margin-right: 10px;"><p><b>KIM EUGENE BORJA</b> NOTARY PUBLIC State of Texas Comm. Exp. 08-08-2001</p></div><div style="flex-grow: 1;"><p style="text-align: center;">_____ <u>[Signature]</u> Eighth Assignor's Signature</p><p style="text-align: center;"><u>4/19/1999</u> Date</p></div></div>
<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me this ____ day of _____, 19__.</p> <p>_____ Notary Public</p>	<p style="text-align: center;">_____ Frederick W. Roberts Full Name of Ninth Assignor</p> <p>SS.    <u>5 Grandview Avenue, Apt. 803, Pittsburgh, PA 15221</u> Address</p> <p style="text-align: center;">_____ Ninth Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
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